

JUN 3 11 14 AM '91

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United States Government

Department of Energy

DUE
DATE 7-3-91

memorandum

JUN 3 11 14 AM '91

Rocky Flats Office

ACTION *Kersh*

DIST LTR ENC

BRETZKE, J.C.	
BURLINGAME, A.H.	
COPP, R.D.	
CROUCHER, D.W.	
DAVIS, J.G.	
EVERED, J.E.	X
FERRERA, D.W.	
FERRIS, L.R.	
FRAIKOR, F.J.	
FRANCIS, G.E.	
GOODWIN, R.	
HEALY, T.J.	
IDEKER, E.H.	
JENS, J. P.	
KEELE, P. B.	
KERSH, J.M.	X
KIRBY, W.A.	
KIRKEBO, J. A.	
LEE, E.M.	
MAJESTIC, J.R.	
MATHEWS, T.A.	
MEURRENS, B.E.	
MORGAN, R.V.	
NORTH, P.	
PALMER, L.A.	
PIZZUTO, V.M.	
POTTER, G.L.	
RHOADES, J.L.	
SAFFELL, B.F.	
SWANSON, E.R.	
WIEBE, J.S.	
WILKINSON, R.B.	
WILLIAMS, R.E.	
WILSON, J.M.	
YOUNG, E.R.	
ZANE, J.O.	

MAY 31 1991

ERD:SG:4343

Operable Unit No. 2 Woman Creek Historical Data Assessment and Colloid Characterization Study

J.M. Kersh, Associate General Manager
Environmental Restoration and Waste Management
EG&G Rocky Flats, Inc.

As agreed to in the May 22, 1991 meeting with EPA/CDH on the Operable Unit No. 2 Woman Creek Interim Measure/Interim Remedial Action Plan (IM/IRAP), we agreed that we would replace the proposed bench scale testing with a colloid characterization study (4167-DOE-91, attached). This was decided primarily due to the lack of flow from the 903 Pad/Lip area seeps with sufficient activity to conduct bench scale testing. It was decided that a more fruitful approach would be to look at the "dissolved" plutonium question.

The question that needs to be answered is whether or not the "dissolved" (less than 0.45 micron) plutonium/ameridium is really dissolved or in colloidal form and whether or not the sampling of the seeps with low flow (or standing water) results in suspended (colloidal) plutonium/ameridium being characterized as dissolved. In order to address these questions, a Historical Data Assessment (HDA) characterization study and a Colloid Characterization Workplan (CCW) need to be developed.

As agreed to in the May 29, 1991 meeting with your staff, EG&G is to prepare a Historical Data Assessment (HDA) as a stand-alone document and as part of the Woman Creek IM/IRAP. This HDA will need to assess the historical sampling practices (protocols) and analytical results for the surface water and ground water in the 903 Pad/Lip area and compare this with such data as the sampler's log, surface water flow, ground-water levels, and precipitation data. The HDA will have a conclusion and recommendation section. The recommendation section will be the basis for developing a Colloid Characterization Workplan (CCW) to address the colloid question in the surface water and ground water in the vicinity of the 903 Pad/Lip.

The CCW will consider plutonium/ameridium physical and chemical characterization and transport mechanisms. Although the CCW will be separate from the OU2 RFI/RIFS work, the results of the CCW will be included in the RFI/RIFS Report.

Reviewed for Addressee
Corres. Control RFP6-3-91 *Ci*

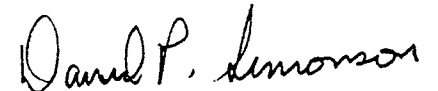
DATE BY

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ADMIN RECORD

J. M. Kersh
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Please have your staff coordinate these new activities with Scott Grace of my staff at extension 7199.


David P. Simonson
Assistant Manager
for Environmental Management

Attachment

cc w/o Attachment:
H. Rose, DOE/RFO
B. Lewis, DOE/RFO
A. Rampertaap, EM-45
E. Evered, EG&G/RF
T. Greengard, EG&G/RF
M. Arndt, EG&G/RF
G. Anderson, EG&G/RF
R. Lindberg, EG&G/RF
B. Frazer, EPA
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